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OM protein - protein search, using sw model

Run on: May 29, 2003, 11:20:23 ; Search time 18 Seconds  
(without alignments)  
1502.204 Million cell updates/sec

Title: US-08-153-397a-2

Sequence: 4928 1 MGPEALSLILLLVASGDA.....QRPFSQHLRELAEDALNTV 919

Scoring table: BLOSUM62  
Gapop 10.0, Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database:

- 1: /cgn2\_6/prodata/1/1aa/5A.COMB.pep.\*
- 2: /cgn2\_6/prodata/1/1aa/5B.COMB.pep.\*
- 3: /cgn2\_6/prodata/1/1aa/5A.COMB.pep.\*
- 4: /cgn2\_6/prodata/1/1aa/5B.COMB.pep.\*
- 5: /cgn2\_6/prodata/1/1aa/5A.COMB.pep.\*
- 6: /cgn2\_6/prodata/1/1aa/5B.COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	4978	100.0	919	1	US-08-336-343A-2
2	4882	99.1	913	1	US-08-445-640-4
3	4882	99.1	913	3	US-08-170-558-4
4	4882	99.1	913	3	US-08-447-314-4
5	4882	99.1	913	3	US-08-445-461-4
6	2404	48.8	855	1	US-08-336-343A-4
7	2402	48.7	854	2	US-08-456-647B-20
8	2402	48.7	854	2	US-08-337-401A-20
9	2167	44.0	399	1	US-08-445-640-8
10	2167	44.0	399	3	US-08-170-558-8
11	2167	44.0	399	3	US-08-447-314-8
12	2167	44.0	399	3	US-08-445-461-8
13	1667	33.8	317	2	US-08-701-191A-25
14	838	17.0	156	2	US-08-162-402B-20
15	648.5	13.2	821	1	US-08-339-578-2
16	646	13.1	825	2	US-08-469-537A-73
17	645	13.1	822	2	US-08-359-705B-2
18	645	13.1	822	2	US-08-286-846A-2
19	645	13.1	822	2	US-08-457-880A-2
20	645	13.1	822	3	US-08-444-622A-2
21	645	13.1	822	3	US-08-444-622A-2
22	645	13.1	822	4	US-09-156-923-2
23	645	13.1	847	2	US-08-286-305A-5
24	645	13.1	847	2	US-08-441-104A-5
25	645	13.1	847	2	US-08-440-816A-5
26	645	13.1	847	4	US-09-417-381A-5
27	643	13.0	279	2	US-08-469-537A-51

28	640.5	13.0	850	1	US-08-286-305A-7	Sequence 7, Appl1
29	640.5	13.0	850	2	US-08-441-104A-7	Sequence 7, Appl1
30	640.5	13.0	850	2	US-08-440-816A-7	Sequence 7, Appl1
31	640.5	13.0	850	4	US-09-417-381A-7	Sequence 7, Appl1
32	627	12.7	790	2	US-08-359-705B-9	Sequence 9, Appl1
33	627	12.7	790	2	US-08-286-846A-9	Sequence 9, Appl1
34	627	12.7	790	2	US-08-457-880A-9	Sequence 9, Appl1
35	627	12.7	790	3	US-08-444-622A-9	Sequence 9, Appl1
36	627	12.7	790	3	US-08-942-562-9	Sequence 9, Appl1
37	627	12.7	790	4	US-09-156-923-9	Sequence 9, Appl1
38	627	12.7	814	1	US-08-286-305A-3	Sequence 3, Appl1
39	627	12.7	814	2	US-08-441-104A-3	Sequence 3, Appl1
40	627	12.7	814	2	US-08-440-816A-3	Sequence 3, Appl1
41	627	12.7	814	4	US-09-417-381A-3	Sequence 3, Appl1
42	623.5	12.7	839	2	US-08-359-705B-6	Sequence 6, Appl1
43	623.5	12.7	839	2	US-08-286-846A-6	Sequence 6, Appl1
44	623.5	12.7	839	2	US-08-457-880A-6	Sequence 6, Appl1
45	623.5	12.7	839	3	US-08-444-622A-6	Sequence 6, Appl1

## ALIGNMENTS

```

RESULT 1
US-08-336-343A-2
Sequence 2, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Alves, Frauke
TITLE OF INVENTION: CCK-2, A NO. 5677144e1 Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESS: Pennile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A
FILING DATE: 08-NOV-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-065
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 919 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-336-343A-2
Query Match 100.0%; Score 4928; DB 1; Length 919;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 919; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MGPEALSLILLLVASGDAKMGHDPKCRATLGMODRTIPDSISASSSSDSTAA 60
DB 1 MGPEALSLILLLVASGDAKMGHDPKCRATLGMODRTIPDSISASSSSDSTAA 60
QY 61 HSHLESSDDGAMCPAGSVFPKREELYQVLDLRLHVALVGTGGRHAGGLGKFRSYHL 120

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Db      61 HSLRSSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVGTQGRHAGLGKFEFSRYL 120
QY      122 RYSRDGRMMGMDRKGQEVISGNEDEGVVLKDI GPPVAVRLVREYPRADRMASVCLAY 180
Db      121 RYSRDGRMMGMDRKGQEVISGNEDEGVVLKDI GPPVAVRLVREYPRADRMASVCLAY 180
QY      181 ELYGCLMRDGLLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVVGLDD 240
Db      181 ELYGCLMRDGLLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVVGLDD 240
QY      241 FRKSQELRWPGDYDYGMSNSHSSGTYVMEFEEDRLRAFQAMQVHCNMHTLGARLPGG 300
Db      241 FRKSQELRWPGDYDYGMSNSHSSGTYVMEFEEDRLRAFQAMQVHCNMHTLGARLPGG 300
QY      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPVIGGRVARELOCREFLAGPWLFS 360
Db      301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPVIGGRVARELOCREFLAGPWLFS 360
QY      361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSLELEPRGOQPVAKAGSPTALI 420
Db      361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSLELEPRGOQPVAKAGSPTALI 420
QY      421 GCLVALITLLITLITLALMLRLHWRRLLSKAERVLEEBELTVHLSVPGDTILINNRGPGE 480
Db      421 GCLVALITLLITLITLALMLRLHWRRLLSKAERVLEEBELTVHLSVPGDTILINNRGPGE 480
QY      481 PPYOEPFRGNPPHAPCPVNGSALLSNPAYRLLATYARPPGPPPTAMAKPTNT 540
Db      481 PPYOEPFRGNPPHAPCPVNGSALLSNPAYRLLATYARPPGPPPTAMAKPTNT 540
QY      541 QAYSQDYMEPEKPGAPLPPPPONSYPHYEADIVTLQVGTGNTAYAPALPPGAGDGP 600
Db      541 QAYSQDYMEPEKPGAPLPPPPONSYPHYEADIVTLQVGTGNTAYAPALPPGAGDGP 600
QY      601 PRVDPPRSRLRKEKELGEGEVEHLCEYDSDQDVLSDLPVNRKGHPLVAVKILRPD 660
Db      601 PRVDPPRSRLRKEKELGEGEVEHLCEYDSDQDVLSDLPVNRKGHPLVAVKILRPD 660
QY      661 ATKNSFSLFRNDPLKEVKINSRLKDPNIIIRLIGVQVDDPLCMITDVMENGDNQFIS 720
Db      661 ATKNSFSLFRNDPLKEVKINSRLKDPNIIIRLIGVQVDDPLCMITDVMENGDNQFIS 720
QY      721 AHQLEDKAAGAPGAGQAAGPTISYPMILHVAQAQIASGMRYLATLNFVHRDLATRNCLY 780
Db      721 AHQLEDKAAGAPGAGQAAGPTISYPMILHVAQAQIASGMRYLATLNFVHRDLATRNCLY 780
QY      781 GENFTIKIADFGMSKRLYAGDYRYVQGRAVLPFRMAWECILMGKFTTASDVMAFGVTLW 840
Db      781 GENFTIKIADFGMSKRLYAGDYRYVQGRAVLPFRMAWECILMGKFTTASDVMAFGVTLW 840
QY      841 EYLMCRAQOPFGOLDEOVYENAGFEFHDQGRQVYLSRPPACDGLYTELMKRCMSRESEQ 900
Db      841 EYLMCRAQOPFGOLDEOVYENAGFEFHDQGRQVYLSRPPACDGLYTELMKRCMSRESEQ 900
QY      901 RPPFSQLHRLFAEDALNTV 919
Db      901 RPPFSQLHRLFAEDALNTV 919

```

RESULT 2  
US-08-445-640-4  
Sequence 4, Application US/08445640  
Patent No. 5709858

GENERAL INFORMATION:  
APPLICANT: Godowski, Paul J.  
APPLICANT: Mark, Melanie R.  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Baron, Will F.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:

```

ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: palin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/445,640  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/170558  
FILING DATE: 20-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 913 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-445-640-4  
Query Match 99.1%; Score 4882; DB 1; Length 913;  
Best local similarity 99.2%; Pred. No. 0;  
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;  
1 MGPEALSSLLLLLLVAGSDADKMGHPDPKACRYALGMDORTIPDSIDISSMSDSTAAR 60  
1 MGPEALSSLLLLLLVAGSDADKMGHPDPKACRYALGMDORTIPDSIDISSMSDSTAAR 60  
61 HSLRSSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVGTQGRHAGLGKFEFSRYL 120  
61 HSLRSSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVGTQGRHAGLGKFEFSRYL 120  
61 HSLRSSDGDGACPCAGSVFPKKEEYLQVDLQRLHLVALVGTQGRHAGLGKFEFSRYL 120  
121 RYSRDGRMMGMDRKGQEVISGNEDEGVVLKDI GPPVAVRLVREYPRADRMASVCLAY 180  
121 RYSRDGRMMGMDRKGQEVISGNEDEGVVLKDI GPPVAVRLVREYPRADRMASVCLAY 180  
181 ELYGCLMRDGLLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVVGLDD 240  
181 ELYGCLMRDGLLSTYAPVQOTMYLSEAVYLANDSTYDGHVGLQYGGGLQGLADGVVGLDD 240  
241 FRKSQELRWPGDYDYGMSNSHSSGTYVMEFEEDRLRAFQAMQVHCNMHTLGARLPGG 300  
241 FRKSQELRWPGDYDYGMSNSHSSGTYVMEFEEDRLRAFQAMQVHCNMHTLGARLPGG 300  
301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPVIGGRVARELOCREFLAGPWLFS 360  
301 VECRRFRGPAMAMEGEPKRNHNGNLGDRARAVSPVIGGRVARELOCREFLAGPWLFS 360  
361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSLELEPRGOQPVAKAGSPTALI 420  
361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSLELEPRGOQPVAKAGSPTALI 420  
421 GCLVALITLLITLITLALMLRLHWRRLLSKAERVLEEBELTVHLSVPGDTILINNRGPGE 480  
421 GCLVALITLLITLITLALMLRLHWRRLLSKAERVLEEBELTVHLSVPGDTILINNRGPGE 480  
481 PPYOEPFRGNPPHAPCPVNGSALLSNPAYRLLATYARPPGPPPTAMAKPTNT 540

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Db      481  PPTVQEPKRNPPNSAPCVNGSALLSNPAYRLLTATYAPPKPGPPTPAMAKPTNT 540
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Db      541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLGGVYTGNTYAVPALPGVAGDP 600
Qy      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSFQDLVSLDFPLNVRKGPLLVAVYLARD 660
Db      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSFQDLVSLDFPLNVRKGPLLVAVYLARD 660
Qy      661  ATKNASFLSRNDFLEKVKIMSRKDPNIIRLIGVCVQDDPLCMITDYMENGDLNQLS 720
Db      661  ATKNA-----RNDFLEKVKIMSRKDPNIIRLIGVCVQDDPLCMITDYMENGDLNQLS 714
Qy      721  AHQEDKAAGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780
Db      715  AHQEDKAAGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774
Qy      781  GENFTIKIADFGMSRNLYAGDYRVQGRAVLPIRMAMECILMGFTTASDVMAFGVTLM 840
Db      775  GENFTIKIADFGMSRNLYAGDYRVQGRAVLPIRMAMECILMGFTTASDVMAFGVTLM 834
Qy      841  EVMLCRAOPGQGLTDQVLENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 900
Db      835  EVMLCRAOPGQGLTDQVLENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 894
Qy      901  RPPFSQLRRLAEDALNTV 919
Db      895  RPPFSQLRRLAEDALNTV 913

```

RESULT 3  
US-08-170-558-4  
Sequence 4, Application US/08170558  
Patent No. 6001621

## GENERAL INFORMATION:

APPLICANT: Godowski, Paul J.  
APPLICANT: Mark, Melanie R.  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Baron, Will F.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
City: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/170,558  
FILING DATE: 20-DEC-1993  
CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C1

TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:

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;          LENGTH: 913 amino acids
;          TYPE: amino acid
;          TOPOLOGY: linear
;          US-08-170-558-4

Query Match          99.1%; Score 4882; DB 3; Length 913;
Best Local Similarity 99.2%; Pred. No. 0;
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

Qy      1  MGPEALSSLLILLVLAASGDADKGFDPKACRYALGMQDRTIPDSISASSWSNSTAR 60
Db      1  MGPEALSSLLILLVLAASGDADKGFDPKACRYALGMQDRTIPDSISASSWSNSTAR 60
Qy      61  HSRLESDDGAMCWAGSVFPEEEYLYVDLQRLHLVALYGTQGNHAGGLKEFSRSYRL 120
Db      61  HSRLESDDGAMCWAGSVFPEEEYLYVDLQRLHLVALYGTQGNHAGGLKEFSRSYRL 120
Qy      121  RYSRDRRMGMKDKRMQGEVLSGNEPBGVYLKDLGPPMVAHLVFYPRADRVMSVCLRY 180
Db      121  RYSRDRRMGMKDKRMQGEVLSGNEPBGVYLKDLGPPMVAHLVFYPRADRVMSVCLRY 180
Qy      181  ELYGCLMDGLISTYAPVQGTMYLSEAVYLYNDSTYDGTGGLQYGGIQLADGVGLDD 240
Db      181  ELYGCLMDGLISTYAPVQGTMYLSEAVYLYNDSTYDGTGGLQYGGIQLADGVGLDD 240
Qy      241  FRKSELVMPGQYDVVGSNSHSFSGYTEMPEPDRLAFAQAMQYCHNNMTLCARLPGG 300
Db      241  FRKSELVMPGQYDVVGSNSHSFSGYTEMPEPDRLAFAQAMQYCHNNMTLCARLPGG 300
Qy      301  VECRRRGPAMAMEGEPKRNHNLGNIADPPARAASVPLGGVAVAFLOCRFLFAGPWILFS 360
Db      301  VECRRRGPAMAMEGEPKRNHNLGNIADPPARAASVPLGGVAVAFLOCRFLFAGPWILFS 360
Qy      361  EISFISDVYNNSSPALGTFPPAPMPWPPTNTSSLELPRGOQPAKREGSPAILI 420
Db      361  EISFISDVYNNSSPALGTFPPAPMPWPPTNTSSLELPRGOQPAKREGSPAILI 420
Qy      421  GCLVAITLLILLITLALMRLHMRRLSKARRVLEELTYHLSVPGDTILINRPGRE 480
Db      421  GCLVAITLLILLITLALMRLHMRRLSKARRVLEELTYHLSVPGDTILINRPGRE 480
Qy      481  PPTVQEPKRNPPNSAPCVNGSALLSNPAYRLLTATYAPPKPGPPTPAMAKPTNT 540
Db      481  PPTVQEPKRNPPNSAPCVNGSALLSNPAYRLLTATYAPPKPGPPTPAMAKPTNT 540
Qy      541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLGGVYTGNTYAVPALPGVAGDP 600
Db      541  QAYSQDYMEPEKPGAPLLPPPNQNSVPHYAEADIVTLGGVYTGNTYAVPALPGVAGDP 600
Qy      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSFQDLVSLDFPLNVRKGPLLVAVYLARD 660
Db      601  PRVDFPNSRLRFKEKLGEGGEGEYHLCVDSFQDLVSLDFPLNVRKGPLLVAVYLARD 660
Qy      661  ATKNASFLSRNDFLEKVKIMSRKDPNIIRLIGVCVQDDPLCMITDYMENGDLNQLS 720
Db      661  ATKNA-----RNDFLEKVKIMSRKDPNIIRLIGVCVQDDPLCMITDYMENGDLNQLS 714
Qy      721  AHQEDKAAGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 780
Db      715  AHQEDKAAGAPDGGAAAGPTISYPMILHVAQAISGMRYLATLNFVHDLATRNCLV 774
Qy      781  GENFTIKIADFGMSRNLYAGDYRVQGRAVLPIRMAMECILMGFTTASDVMAFGVTLM 840
Db      775  GENFTIKIADFGMSRNLYAGDYRVQGRAVLPIRMAMECILMGFTTASDVMAFGVTLM 834
Qy      841  EVMLCRAOPGQGLTDQVLENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 900
Db      835  EVMLCRAOPGQGLTDQVLENAGEFFRDGROYTLSPACPOGLYELMLRCMSRSEQ 894
Qy      901  RPPFSQLRRLAEDALNTV 919
Db      895  RPPFSQLRRLAEDALNTV 913

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RESULT 4  
US-08-447-314-4  
Sequence 4, Application US/08447314  
Patent No. 6087144  
GENERAL INFORMATION:  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Baron, Will F.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/447,314  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/170558  
FILING DATE: 20-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C1D2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 913 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-447-314-4

Query Match 99.18; Score 4882; DB 3; Length 913;  
Best Local Similarity 99.28; Pred. No. 0;  
Matches 912; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGPEALSSLLILLVAGSDADMGHDPACRYALGMODRTIPDSISASSSSDSTAAR 60  
DB 1 MGPEALSSLLILLVAGSDADMGHDPACRYALGMODRTIPDSISASSSSDSTAAR 60  
QY 61 HSLRLESSDGDGACPCAGSVFPKKEEYLQYDLRLHLVALVGTGRRAGLGKFEFSRYL 120  
DB 61 HSLRLESSDGDGACPCAGSVFPKKEEYLQYDLRLHLVALVGTGRRAGLGKFEFSRYL 120  
QY 121 RYRDRRRMGWMDRNGOEYISGNEPEGVYTKDLCPPMVARYLVRYTPRADRVMSVCLRY 180  
DB 121 RYRDRRRMGWMDRNGOEYISGNEPEGVYTKDLCPPMVARYLVRYTPRADRVMSVCLRY 180  
QY 181 ELVGCILRDGLSTYAPVGTMYLSEAYVLINDSTYGHVVGIGVGLGQLADGVVGLD 240  
DB 181 ELVGCILRDGLSTYAPVGTMYLSEAYVLINDSTYGHVVGIGVGLGQLADGVVGLD 240  
QY 241 FRKSOELRWPGDYDYGMSNHSFSSGTYVEEFEFDRLRAFOAMQVANNMHTLGARLPGG 300  
DB 241 FRKSOELRWPGDYDYGMSNHSFSSGTYVEEFEFDRLRAFOAMQVANNMHTLGARLPGG 300  
QY 301 VECRFRGAPAMAGEPHNNLGNLGDPRARAVSVPLGGRVAREFLQCFRLRAGPWLFS 360

DB 301 VECRFRGAPAMAGEPHNNLGNLGDPRARAVSVPLGGRVAREFLQCFRLRAGPWLFS 360  
QY 361 EISFISDVNNSSSALGTFPPAPWPPGPPTTFSSLELPPRGOQPAKEGSPTAILI 420  
DB 361 EISFISDVNNSSSALGTFPPAPWPPGPPTTFSSLELPPRGOQPAKEGSPTAILI 420  
QY 421 GCLVAIILLILLIITAILMLRMLHWRRLSKARRVLEELVHLSVPGDTILINRPGRE 480  
DB 421 GCLVAIILLILLIITAILMLRMLHWRRLSKARRVLEELVHLSVPGDTILINRPGRE 480  
QY 481 PPYQEPKRNPNPHSAPCVNGSALLSNPARYLLATYARPPRGPPPTAMAKPTNT 540  
DB 481 PPYQEPKRNPNPHSAPCVNGSALLSNPARYLLATYARPPRGPPPTAMAKPTNT 540  
QY 541 QAYSGDYMEPKRPAPLPPPPSVHYAADIYTLQGTGNTYAVPALPAGVGDGP 600  
DB 541 QAYSGDYMEPKRPAPLPPPPSVHYAADIYTLQGTGNTYAVPALPAGVGDGP 600  
QY 601 PRVDFPRSRLRFKELGEGEYHLCVDSPODLVSLDPPLNTRKGPPLIYAVKILRPD 660  
DB 601 PRVDFPRSRLRFKELGEGEYHLCVDSPODLVSLDPPLNTRKGPPLIYAVKILRPD 660  
QY 661 ATKNASFLPSRNDPLKEVKIMSKDPNITRLGVCVODPLCMITDYMNGLNOFLS 720  
DB 661 ATKNA-----RNDPLKEVKIMSKDPNITRLGVCVODPLCMITDYMNGLNOFLS 720  
QY 721 AHOLEDAAGAPDGGAGAGPTISYMLLHVAQAISGMYRLTLNFBHDLATRNCLV 780  
DB 721 AHOLEDAAGAPDGGAGAGPTISYMLLHVAQAISGMYRLTLNFBHDLATRNCLV 780  
QY 775 GENFTIKIADFGMSRNLVAGDYVVOGRAVLPITRMAMECTLMKFTTASVNAFGYTLW 840  
DB 775 GENFTIKIADFGMSRNLVAGDYVVOGRAVLPITRMAMECTLMKFTTASVNAFGYTLW 840  
QY 841 EVIMLCRAOPFGOLTDEQVIENAGEFRDQGRQYLLSRPACPOGLYELMRCMSRSEQ 900  
DB 841 EVIMLCRAOPFGOLTDEQVIENAGEFRDQGRQYLLSRPACPOGLYELMRCMSRSEQ 900  
QY 901 RPPESQHLRLAEDALNTV 919  
DB 901 RPPESQHLRLAEDALNTV 919

RESULT 5  
US-08-445-461-4  
Sequence 4, Application US/08445461  
Patent No. 6096527  
GENERAL INFORMATION:  
APPLICANT: Godowski, Paul J.  
APPLICANT: Mark, Melanie R.  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/445,461  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/170558  
 FILING DATE: 20-DEC-1993  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/157563  
 FILING DATE: 23-NOV-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Hasek, Janet E.  
 REGISTRATION NUMBER: 28,616  
 REFERENCE/DOCKET NUMBER: 854C3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415/225-1896  
 TELEFAX: 415/952-9881  
 TELETYPE: 910/371-7168  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 913 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 US-08-445-461-4

Query Match 99.1%; Score 4882; DB 3; Length 913;  
 Best Local Similarity 99.2%; Pred. No. 0;

Matches 912; Conservatve 0; Mismatches 1; Indels 6; Gaps 1;

QY 1 MGPEALSSLLLLVSGDADMGKGFDPACRYALGMDRTIPDSISASSWSGSTAAR 60  
 DB 1 MGPEALSSLLLLVSGDADMGKGFDPACRYALGMDRTIPDSISASSWSGSTAAR 60  
 QY HSHLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 120  
 DB HSHLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 120  
 QY 61 HSHLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 120  
 DB 61 HSHLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 120  
 QY 121 RYSDRGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 180  
 DB 121 RYSDRGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 180  
 QY 181 ELYGCLMRDGLSTYAPVQGTMYLSEAVALYNDSTYDGHVGLQYGLGDLADGVVGLD 240  
 DB 181 ELYGCLMRDGLSTYAPVQGTMYLSEAVALYNDSTYDGHVGLQYGLGDLADGVVGLD 240  
 QY 241 FRKSOELRYMPGVGYDYGWMSHSFSGVVEKEEFEDRLRAQAOVHNNHTLGARLPGG 300  
 DB 241 FRKSOELRYMPGVGYDYGWMSHSFSGVVEKEEFEDRLRAQAOVHNNHTLGARLPGG 300  
 QY 301 VECRFRGRPAMAMEGEPMRHNLGNGDPRARAVSYPLGGRVAFLOCRFLFAGPMLFS 360  
 DB 301 VECRFRGRPAMAMEGEPMRHNLGNGDPRARAVSYPLGGRVAFLOCRFLFAGPMLFS 360  
 QY 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTAILI 420  
 DB 361 EISFISDVYNNSSPALGTFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAEGSPTAILI 420  
 QY 421 GCLVAIIIIIIIIIIIMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLR 480  
 DB 421 GCLVAIIIIIIIIIIIMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLRMLR 480  
 QY 481 PPPVOEPRRGNRPSPASCPVNGSALLLNPAVRYLLATYARPPRGPPTPMARKPTNT 540  
 DB 481 PPPVOEPRRGNRPSPASCPVNGSALLLNPAVRYLLATYARPPRGPPTPMARKPTNT 540  
 QY 541 QAYSDDYMEPEKPGAPLPPPPONSVPYHAADIVTLQVGTGNTAVPALPAGAGDGP 600  
 DB 541 QAYSDDYMEPEKPGAPLPPPPONSVPYHAADIVTLQVGTGNTAVPALPAGAGDGP 600  
 QY 601 PAVDPRSRRLRKEKELGEGEVEHLCFVDSPODLVLDPLVNRKGGHLLVAVKILRPD 660  
 DB 601 PAVDPRSRRLRKEKELGEGEVEHLCFVDSPODLVLDPLVNRKGGHLLVAVKILRPD 660  
 QY 661 ATKNAFSLFNRNDELKEVYKIMSRLKDPNIRILGVCVODDPLCMITDMENDLNOQFS 720  
 DB 661 ATKNAFSLFNRNDELKEVYKIMSRLKDPNIRILGVCVODDPLCMITDMENDLNOQFS 720  
 QY 721 AHQEDKAAEGAPGGGAAAGQFTISYPMILHVAQAQIASGRYLAITNFVHRLDIAITNCLV 780  
 DB 721 AHQEDKAAEGAPGGGAAAGQFTISYPMILHVAQAQIASGRYLAITNFVHRLDIAITNCLV 780

DB 715 AHQEDKAAEGAPGGGAAAGQFTISYPMILHVAQAQIASGRYLAITNFVHRLDIAITNCLV 774  
 QY 721 GENFTIKIADFGMSRNLVAGDYRYVQSAVLPIRMAMECILMKFTTASDVNAFVYLM 840  
 DB 775 GENFTIKIADFGMSRNLVAGDYRYVQSAVLPIRMAMECILMKFTTASDVNAFVYLM 834  
 QY 841 EVLMICRAOPFGOLDEQVINEAGFEFFDQGRVYLSPPACPOGLYELMRCSRESEQ 900  
 DB 835 EVLMICRAOPFGOLDEQVINEAGFEFFDQGRVYLSPPACPOGLYELMRCSRESEQ 894  
 QY 901 RPPFSQHLRFLAEDALNTV 919  
 DB 895 RPPFSQHLRFLAEDALNTV 913

# RESULT 6 US-08-336-343A-4

; Sequence 4, Application US/08336343A  
 ; Patent No. 5677144

; GENERAL INFORMATION:

; APPLICANT: Ullrich, Axel

; APPLICANT: Alves, Frauke

; TITLE OF INVENTION: CCK-2, A No. 5677144e1 Receptor Tyrosine Kinase

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: IBM PC compatible

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/336,343A

; FILING DATE: 08-NOV-1994

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Coruzel, Laura A.

; REGISTRATION NUMBER: 30,742

; REFERENCE/DOCKET NUMBER: 7683-065

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-9741/8864

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 855 amino acids

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

; US-08-336-343A-4

Query Match 48.8%; Score 2404; DB 1; Length 855;  
 Best Local Similarity 51.8%; Pred. No. 5,8e-164;

Matches 482; Conservatve 118; Mismatches 227; Indels 104; Gaps 16;

QY 3 PEALSSLLLLVSGDADMGKGFDPACRYALGMDRTIPDSISASSWSGSTAAR 62  
 DB 3 PEALSSLLLLVSGDADMGKGFDPACRYALGMDRTIPDSISASSWSGSTAAR 62  
 QY 63 RLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 121  
 DB 63 RLESSDDGACPCAGSVFPEKEEYQVNDLRHLVALVGTGRAGGJGKEFSRYRL 121  
 QY 121 YSRDGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181  
 DB 121 YSRDGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181  
 QY 181 YSRDGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181  
 DB 181 YSRDGRMGWMDRMGOEYISGNEDEGVYLDLGPMTARLYRFPRADRVASVCLRV 181

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QY 182 LYGCWRDGLSTAYVGGTMYL--SEAYLNDSTYDGHVGLQGLQGLADGVYGLD 239
DB 182 LYGCWLDGLVSTNAAGQGFVLPGGSIITLYDVG--AVGYSMTEGQLDGVYGLD 240
QY 240 DFKSOELRWPGYDVYVGNNSHSSGYYEMEFRLRAFOAYHCHNMHTLGLRPLG 239
DB 241 DFTQTEHYHWPYDVGHRNESAINGYIEIMEFDRIRNFTTMKACHNMFAKGVKIEK 300
QY 300 GVCRRRGRGPAWMEGEPKRNHNLGNLGPBARAVSVPLGGRARVLCQCFLEFAGPWLIF 359
DB 301 EVGCVF-RSEASEMEPTNAISFLYLDVDPNSARFVYPLHHRASAIKCOYHFNADWMMF 359
QY 360 SEISFISD-VVNSSPALGCTPPAPWMPGPPPTNFSSLELPPGOQVPAKAGSPAT 418
DB 360 SEITFSDAMYNNSAL-----PTSP-----MAPTYDPLKVDSDNTRI 400
QY 419 LIGCLVAIIILLLIILALMLRLHMRRLSKARVLEELVHLSVPGTILINN--P 416
DB 401 LIGCLVAIIILLLIILALMLRLHMRRLSKARVLEELVHLSVPGTILINN--P 416
QY 477 GPRRP-----PYOEPRRGNPHSAPCVNPSALLSNPARYLLATYARP 523
DB 461 SPESGGSNSTYDRIFFLRPDYQEP-----SLIRKLPER----- 434
QY 524 PRGEPPTPAMAKPTNTQAYSGDYMEPEKPGAPLLPPQNSVPHYAADIYTLQVYTG 583
DB 495 -----APGEESGCGSVYKVPQSPG-----EGVPHYAADIYMLQVYTG 535
QY 584 NTYAVPALPGAVGDDPPRY-DEPRSRRLRFKEKLGSGGEGVHLCEVDSODLVSDPL 642
DB 536 NTYVAVAYMDLISGDVAVEEPRKLLFEKELGSGGEGVHLCEVGEKEXKDFAL 595
QY 643 NVAKGHPLVAVKILRPDARKNASFSLFRNDFLEKVKIMSLKDNIIIRLGCYQDDP 702
DB 596 DVSANQPVLYAVYMLADANKNA-----RNDLKEIKIKMSRLKDNIIIRLHLSVCLTDD 649
QY 703 LCHITTYMENGDLNOLSLAHOLEDKAEAGPGDGAAGPTISYPMILHVAOIASGMRY 762
DB 650 LCHITTYMENGDLNOLSLRHE-----PNSSSSDVRYVSYMLKEFATQIASGMRY 700
QY 763 LATLNFVHDLATRNCLVGENFTIKTADFGMSRNLVAGDYRYRGRAVLPIRMARECII 822
DB 701 LSLNLVHDLATRNCLVGENFTIKTADFGMSRNLVAGDYRYRGRAVLPIRMARECII 760
QY 823 MCKFTTASDVMAFGVTLMEVLMLCRAQPFQGLTDECVIENAGFEFFDQGRVYLSPPAC 882
DB 761 LKFTTASDVMAFGVTLMEVLMLCRAQPFQGLTDECVIENAGFEFFDQGRVYLSPPAC 820
QY 883 PGLVIELMRCWSRSEQRPPPSQLHRLAE 913
DB 821 PDSVYKMLSCWRDRTKRNPSFOEIHLLILO 851

```

# RESULT 7

Sequence 20, Application US/08456647B  
Patent No. 5811516

## GENERAL INFORMATION:

APPLICANT: Lemke Ph.D. et al., Greg E.  
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES  
NUMBER OF SEQUENCES: 54  
CORRESPONDENCE ADDRESS:  
ADDRESS: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 854 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-456-647B-20

```

Query Match 48.7%; Score 2402; DB 2; Length 854;

Best Local Similarity 51.9%; Pred. No. 8, 1e-164; Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

```

QY 9 LLLLLLVASGDADMKGHFDPACRYALGMDRTIPDSISASSSSWSTAAHRSLESD 68
DB 10 VLLLLLLIGSA--KAQVNPALICRYPLGSGHIGDIDIASGWSSTFAKGRULSEE 67
QY 69 GDGACWPGAGVYFKE-BEYQVLDQLRLHVALVGTORHAGGLKESRSRYRLYSRDR 127
DB 68 GDGACWPEIPVQDDLKEFLQIDRLTLHFTLVGTORHAGGHIIEFAPMYKINYSRDS 127
QY 128 RRMGKDRMGQEVISGNEDEGVVLKDLGPMVAVRLVFRPADRVNVCILRYELVGLM 187
DB 128 RMTSMNRHOKOYLDGNSNRYDVLNDLEPIYARFRLIPYDHSANVCRLYELVGLM 187
QY 188 RDGLLSTYAVGOTMYL--SEAYLNDSTYDGHVGLQGLQGLADGVYGLDDEFRKSQ 245
DB 188 LDGLVSNVAPAGQGFVLPGGSIITLYDVG--AVGYSMTEGQLDGVYGLDDEFRKSQ 246
QY 246 ELRWPGYDVYVGNNSHSSGYYEMEFRLRAFOAYHCHNMHTLGLRPLGCVCRF 305
DB 247 EYHWPYDVGHRNESAINGYIEIMEFDRIRNFTTMKACHNMFAKGVKIEFYOCYF 306
QY 306 RRGPAWMEGEPKRNHNLGNLGPBARAVSVPLGGRARVLCQCFLEFAGPWLIFSEISFI 365
DB 307 RSEASEMEPTNAISFLYLDVDPNSARFVYPLHHRASAIKCOYHFNADWMMFSEITFO 365
QY 366 SD--VVNSSPALGCTPPAPWMPGPPPTNFSSLELPPGOQVPAKAGSPATAILIGCL 423
DB 366 SDAMYNNS-----GALTPS-----MAPTYDPLKVDSDNTRIIGCL 405
QY 424 VAIILLLIILALMLRLHMRRLSKARVLEELVHLSVPGTILINN--PGR 479
DB 406 VAIILLLIILALMLRLHMRRLSKARVLEELVHLSVPGTILINN--PGR 479
QY 480 EP-----PYOEPRRGNPHSAPCVNPSALLSNPARYLLATYARPPGPG 528
DB 466 ESNSTYDRIFFLRPDYQEP-----SLIRKLPER----- 494
QY 529 PPTPAMAKPTNTQAYSGDYMEPEKPGAPLLPPQNSVPHYAADIYTLQVYTGNTYAV 588
DB 495 -----APGEESGCGSVYKVPQNGP-----EGVPHYAADIYMLQVYTGNTYCV 540
QY 589 PALPAGVDDPPRY-DEPRSRRLRFKEKLGSGGEGVHLCEVDSODLVSLDPLNVRKG 647
DB 541 PAVTMDLISGDVAVEEPRKLLFEKELGSGGEGVHLCEVGEKEXKDFALDVSAN 600

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QY 648 HPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNIIIRLLGVCVODDPLCMIT 707  
 DB 601 QPVLAVAKMLRADANNA-----RNDFLKEIKIMSLKDPNIIIRLLAVCITEDPLCMIT 654  
 QY 708 DYWENDLNQFLSAHOLEDKAAGCDGQAAGPRTSYPMILHVAQAQISGRVLTATN 767  
 DB 655 EYWENDLNQFLSRHPEPLSSCSDA-----TVSYANKFMATQIASGMKYLSSLN 704  
 QY 768 FVHRDLATRNCLVGENFTIKIADFGMSRLYAGDYRVQRAVLPFRMAWECILMGFT 827  
 DB 705 FVHRDLATRNCLVGNKYTIKIDFGMSRLYSGDYRIRIGRAVLPFRMSWESILGFT 764  
 QY 828 TASDVAFGVTLMEVLMICRAQPFQGLTDEQVLENAGEFFRDGROYLSRPPACPOGLY 887  
 DB 765 TASDVAFGVTLMEFTFCQEQPYSQLSDEQVLENTGEFFRDGROYLYPOLALCPDSYV 824  
 QY 888 ELMRCWSESEQRPFQSLHRLAE 913  
 DB 825 KMLSCWRRETKHRPSFOEIHILLQ 850

## RESULT 8

US-08-237-401A-20  
 ; Sequence 20, Application US/08237401A  
 ; Patent No. 5837448  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Lemke Ph.D. et al., Greg E.  
 ; TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES  
 ; NUMBER OF SEQUENCES: 54  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Fish & Richardson P.C.  
 ; STREET: 4225 Executive Square, Suite 1400  
 ; CITY: La Jolla  
 ; STATE: CA  
 ; COUNTRY: US  
 ; ZIP: 92037  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: IBM PC compatible  
 ; SOFTWARE: Patent Release #1.0, Version #1.25  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/237,401A  
 ; FILING DATE: 02-MAY-1994  
 ; CLASSIFICATION: 435  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 07/884,486  
 ; FILING DATE: 15-MAY-1992  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Haile Ph.D., Lisa A.  
 ; REGISTRATION NUMBER: 38,347  
 ; REFERENCE/DOCKET NUMBER: 07251/007001  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (619) 678-5070  
 ; TELEFAX: (619) 678-5099  
 ; INFORMATION FOR SEQ ID NO: 20:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 854 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; US-08-237-401A-20

Query Match 48.7% Score 2402; DB 2: Length 854;  
 Best Local Similarity 51.9% Pred. No. 8.1e-16;  
 Matches 481; Conservative 119; Mismatches 220; Indels 106; Gaps 16;

QY 9 LLLLLLVSADAKGHPAKRYALGMDRTIPDSDISASSWSVSDTAARHSLSSD 68  
 DB 10 VLLLLLILGSA--KAQVNPACIRYPLGMSGHLPDEBITASSQWSESTAAKYGLDSE 67  
 QY 69 GDGAWCAGSYFPR-EYILOVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLARYSDRG 127  
 ||||| | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

DB 68 GDGAWCDEIPVQPDLEKFLQIDLRLHLFTLVGTQGRHAGGHIEFAPMYKINSRGS 127  
 QY 128 RMMKMKRMQOEYISGHEDEGVYTKDGLPMPARALYRFPADRWKSVCLRYELGCLW 187  
 DB 128 RMTSMRRHGRKQYLDGNSNPDYFLKDLBPPIYARFRLIPVDHSMKVCARVELGCVW 187  
 QY 188 RDGLISTYAPVGOTMY--SEAVYINDSTYDGHVGLQGGGLADGVGGLDDRRKSQ 245  
 DB 188 LDGIVSTNAPAGQOFVLPQGSITLNDSTYD--AVGISMTEGGLQGLDVGSLDDPTQ 246  
 QY 246 ELRWPGDYDVGNSNHSFSSGYEMEFEDRLAFOAQVCHNNMHTIARLPGVCECF 305  
 DB 247 EYHWPGDYDVGWRNBSATNGFTIEEFGRINFTMKHCNNMFAKGIKIEVQCF 306  
 QY 306 RRPAPMAWEEPRHNLGMLGPARRAVVPJAGRYARLQCRFLPAGFWLLFSISFT 365  
 DB 307 -RSEASEWETAVYFPLVDVNP SARFVYPLHHRVASAIKQYHFDATWAMESETTQ 365  
 QY 366 SD--VYVNSSPALGTFPPAPWPPPPPTNFSLELPPRGQDPVAKAEGSPALLIGCL 423  
 DB 366 SDAAMTNS-----GALPTSP-----NAPTYPMLKVDNSTRIILIGCL 405  
 QY 424 VALILLLLIATMLNRLHWRRLSKARRYLEETVHLVSGDTILINN-----GPR 479  
 DB 406 VALIIFILATIVILIMRQFQOKMLEKASRLMDDEKTVSLSPSSMTRNNRASSPSEQ 465  
 QY 480 EP-----PPYQEPFRGNPPHAPCVNGSALLSNAPYLLATYARPPRG 528  
 DB 466 ESNSTYDRIFPLPDQEP-----SRLIRKLPEF----- 494  
 QY 529 PPTPAWAKPNTNAGSYGDIWEPEKPGAPILPPPPQSVHYKADIVTLQGTGNTYAV 588  
 DB 495 -----APGEESGCGSVYKPPQPNP-----BGVHYKADIVNLQVYGGNTYCV 540  
 QY 589 PALPGAVDGPFRV--DFPRSLRFKEKLEGQFGVHLCVDSPODLVLDPELVNRG 647  
 DB 541 PAVTMDLISGKQVAVEPRKLLAFKEKLEGQFGVHLCVDSGMRKFDKDPALVSN 600  
 QY 648 HPLVAVKILRPDPAKTNASFLSRNDFLEKVKIMSLKDPNIIIRLLGVCVODDPLCMIT 707  
 DB 601 QPVLAVAKMLRADANNA-----RNDFLKEIKIMSLKDPNIIIRLLAVCITEDPLCMIT 654  
 QY 708 DYWENDLNQFLSAHOLEDKAAGCDGQAAGPRTSYPMILHVAQAQISGRVLTATN 767  
 DB 655 EYWENDLNQFLSRHPEPLSSCSDA-----TVSYANKFMATQIASGMKYLSSLN 704  
 QY 768 FVHRDLATRNCLVGENFTIKIADFGMSRLYAGDYRVQRAVLPFRMAWECILMGFT 827  
 DB 705 FVHRDLATRNCLVGNKYTIKIDFGMSRLYSGDYRIRIGRAVLPFRMSWESILGFT 764  
 QY 828 TASDVAFGVTLMEVLMICRAQPFQGLTDEQVLENAGEFFRDGROYLSRPPACPOGLY 887  
 DB 765 TASDVAFGVTLMEFTFCQEQPYSQLSDEQVLENTGEFFRDGROYLYPOLALCPDSYV 824  
 QY 888 ELMRCWSESEQRPFQSLHRLAE 913  
 DB 825 KMLSCWRRETKHRPSFOEIHILLQ 850

## RESULT 9

US-08-445-640-8  
 ; Sequence 8, Application US/08445640  
 ; Patent No. 5709858  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Mark, Melanie R.  
 ; APPLICANT: Scadden David T.  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Barton, Will F.  
 ; TITLE OF INVENTION: Protein Tyrosine Kinases  
 ; NUMBER OF SEQUENCES: 35  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Genentech, Inc.

```

STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170568
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C2
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-445-640-8

Query Match          44.0%; Score 2167; DB: 1; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMGHFPACRYALGMDRTIPDSISASSWSNDSSTAARHSRLSSDGGAMCPAGS 78
DB 1 DADMGHFPACRYALGMDRTIPDSISASSWSNDSSTAARHSRLSSDGGAMCPAGS 60
QY 79 VPKKEEYQLVDLQRLHLVALVGTGGRHAGLGKEFSRSYRLRYSRDGRMMGWMDRMQ 138
DB 61 VPKKEEYQLVDLQRLHLVALVGTGGRHAGLGKEFSRSYRLRYSRDGRMMGWMDRMQ 120
QY 139 EYISGNEDEGVYLDLGPMTARLYRFPYPRADRYMSVCLRYELGCLMRDGLLSTAYV 198
DB 121 EYISGNEDEGVYLDLGPMTARLYRFPYPRADRYMSVCLRYELGCLMRDGLLSTAYV 180
QY 199 GQTMILSEAVYINDSTYDHTVGGLOYGGLGQLADGVVGLDDFRKSOELRVMPGYDYGM 258
DB 181 GQTMILSEAVYINDSTYDHTVGGLOYGGLGQLADGVVGLDDFRKSOELRVMPGYDYGM 240
QY 259 SNHSFSSGVEVEFEFDRIRAFQAMQVHCNNHHTIGARLPGVGECEFRFRGPMAMEGEPM 318
DB 241 SNHSFSSGVEVEFEFDRIRAFQAMQVHCNNHHTIGARLPGVGECEFRFRGPMAMEGEPM 300
QY 319 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 378
DB 301 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 360
QY 379 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 417
DB 361 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 399

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APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Wall F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSER: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/170,558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 399 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-170-558-8

Query Match          44.0%; Score 2167; DB: 3; Length 399;
Best Local Similarity 99.7%; Pred. No. 2e-147;
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMGHFPACRYALGMDRTIPDSISASSWSNDSSTAARHSRLSSDGGAMCPAGS 78
DB 1 DADMGHFPACRYALGMDRTIPDSISASSWSNDSSTAARHSRLSSDGGAMCPAGS 60
QY 79 VPKKEEYQLVDLQRLHLVALVGTGGRHAGLGKEFSRSYRLRYSRDGRMMGWMDRMQ 138
DB 61 VPKKEEYQLVDLQRLHLVALVGTGGRHAGLGKEFSRSYRLRYSRDGRMMGWMDRMQ 120
QY 139 EYISGNEDEGVYLDLGPMTARLYRFPYPRADRYMSVCLRYELGCLMRDGLLSTAYV 198
DB 121 EYISGNEDEGVYLDLGPMTARLYRFPYPRADRYMSVCLRYELGCLMRDGLLSTAYV 180
QY 199 GQTMILSEAVYINDSTYDHTVGGLOYGGLGQLADGVVGLDDFRKSOELRVMPGYDYGM 258
DB 181 GQTMILSEAVYINDSTYDHTVGGLOYGGLGQLADGVVGLDDFRKSOELRVMPGYDYGM 240
QY 259 SNHSFSSGVEVEFEFDRIRAFQAMQVHCNNHHTIGARLPGVGECEFRFRGPMAMEGEPM 318
DB 241 SNHSFSSGVEVEFEFDRIRAFQAMQVHCNNHHTIGARLPGVGECEFRFRGPMAMEGEPM 300
QY 319 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 378
DB 301 RHNLGNTGDPARARAVSVPLGGVARFLQCRFLFAGPMLTFSEISFISDVYNNSSPALGG 360
QY 379 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 417
DB 361 TFPPAPWMPGPPPTNFSSLELEPRGQOPVAKAESPTA 399

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RESULT 10  
 US-08-170-558-8  
 ; Sequence 8, Application US/08170558  
 ; Patent No. 6001621  
 ; GENERAL INFORMATION:

RESULT 11  
US-08-447-314-8  
Sequence 8, Application US/08447314  
Patent No. 6087144  
GENERAL INFORMATION:  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Baron, Will F.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/447,314  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/170558  
FILING DATE: 20-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C1D2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 399 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-447-314-8

Query Match 44.0%; Score 2167; DB 3; Length 399;  
Best Local Similarity 99.7%; Pred. No. 2e-147;  
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFDPACRYALGMODRTIPSDISASSWSDSTAARSRLESSDGDGAMCPAGS 78  
DB 1 DADMKGHFDPACRYALGMODRTIPSDISASSWSDSTAARSRLESSDGDGAMCPAGS 60  
QY 79 VFPEKEEYLQVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDRRMGMKDRWQ 138  
DB 61 VFPEKEEYLQVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDRRMGMKDRWQ 120  
QY 139 EVISGNDEPQVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 198  
DB 121 EVISGNDEPQVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 180  
QY 199 GQMYTSEAVYLLNDSTYDGHVVGLOYGGLQADGVVGLDPRKRSQELRWPGYDYVGW 258  
DB 181 GQMYTSEAVYLLNDSTYDGHVVGLOYGGLQADGVVGLDPRKRSQELRWPGYDYVGW 240  
QY 259 SNHSFSSGYEMEFEDRLRAPQAMQVHCNMHTLGLARLPGVCECRRRRPPAAMWGEPEM 318  
DB 241 SNHSFSSGYEMEFEDRLRAPQAMQVHCNMHTLGLARLPGVCECRRRRPPAAMWGEPEM 300  
QY 319 RHNIGNLGDDPPARAVSVPLGGRVAFILQCRFLFAGPWLLFSEISFISDVVNNSSPALGG 378

RESULT 12  
US-08-445-461-8  
Sequence 8, Application US/08445461  
Patent No. 6096527  
GENERAL INFORMATION:  
APPLICANT: Godowsk, Paul J.  
APPLICANT: Mark, Melanle R.  
APPLICANT: Scadden, David T.  
APPLICANT: Baker, Kevin P.  
APPLICANT: Baron, Will F.  
TITLE OF INVENTION: Protein Tyrosine Kinases  
NUMBER OF SEQUENCES: 35  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/445,461  
FILING DATE: 22-MAY-1995  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/170558  
FILING DATE: 20-DEC-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/157563  
FILING DATE: 23-NOV-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 854C3  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 399 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-445-461-8

Query Match 44.0%; Score 2167; DB 3; Length 399;  
Best Local Similarity 99.7%; Pred. No. 2e-147;  
Matches 398; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 19 DADMKGHFDPACRYALGMODRTIPSDISASSWSDSTAARSRLESSDGDGAMCPAGS 78  
DB 1 DADMKGHFDPACRYALGMODRTIPSDISASSWSDSTAARSRLESSDGDGAMCPAGS 60  
QY 79 VFPEKEEYLQVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDRRMGMKDRWQ 138  
DB 61 VFPEKEEYLQVDLQRLHLVALVGTQGRHAGGLKEFSRSYRLKYSRDRRMGMKDRWQ 120  
QY 139 EVISGNDEPQVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 198  
DB 121 EVISGNDEPQVYLKDLGPPMVARLVRFYPRADRVMSVCLRVLYGCLMRDGLLSTYAPV 180

QY 199 GOMTSLSEAVLYLNDSTYDGHVGLQYGGSLGOLADGVGLDDPRKQSLRWMPGYDYGM 258  
DB 181 GOMTSLSEAVLYLNDSTYDGHVGLQYGGSLGOLADGVGLDDPRKQSLRWMPGYDYGM 240  
QY 259 SNHSFSSGVYEMEFEDRLRAFOAMOVHNNHMTLGLARPGVECFRRGPRAMWGEEM 318  
DB 241 SNHSFSSGVYEMEFEDRLRAFOAMOVHNNHMTLGLARPGVECFRRGPRAMWGEEM 300  
QY 319 RHNLSGNLDDPRARAVSVPLGGRVAFLOCRFLFAGPMLFSEISISDVNNSSPALGG 378  
DB 301 RHNLSGNLDDPRARAVSVPLGGRVAFLOCRFLFAGPMLFSEISISDVNNSSPALGG 360  
QY 379 TEPPAPMPGPPPTFSSLELEPRGQOVAKAEGSPTA 417  
DB 361 TEPPAPMPGPPPTFSSLELEPRGQOVAKAEGSPTA 399

## RESULT 13

US-08-701-191A-25  
Sequence 25, Application US/08701191A  
Patent No. 5942428

GENERAL INFORMATION:  
APPLICANT: Moosa Mohammadi, Joseph Schlessinger,  
APPLICANT: and Stevan R. Hubbard  
TITLE OF INVENTION: CRYSTALS OF THE TYROSINE KINASE DOMAIN  
TITLE OF INVENTION: OF NON-INSULIN RECEPTOR TYROSINE KINASE  
NUMBER OF SEQUENCES: 41  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Lyon & Lyon  
STREET: 633 West Fifth Street  
CITY: Los Angeles  
STATE: California  
COUNTRY: U.S.A.  
ZIP: 90071-2066  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5" Diskette, 1.44 MB  
MEDIUM TYPE: Storage  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: IBM P.C. DOS 5.0  
SOFTWARE: FASTSEQ for Windows 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/701,191A  
FILING DATE: August 21, 1996  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Harburg, Richard J.  
REGISTRATION NUMBER: 32,327  
REFERENCE/DOCKET NUMBER: 227/088  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (213) 489-1600  
TELEFAX: (213) 955-0440  
TELEX: 67-3510  
INFORMATION FOR SEQ ID NO: 25:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 317 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-701-191A-25

Query Match 33.8%; Score 1667; DB 2; Length 317;  
Best Local Similarity 97.8%; Pred. No. 8,9e-112;  
Matches 316; Conservative 1; Mismatches 0; Indels 6; Gaps 1;

QY 597 GGGPRVDFPFRSLRFLKELGEGGCVHLCEVDSPODLSLDFPLNRYKRGHPLVAVKI 656  
DB 1 GGGPRVDFPFRSLRFLKELGEGGCVHLCEVDSPODLSLDFPLNRYKRGHPLVAVKI 60

QY 657 LRPDATKNAFSLFSNDELKVEYKINSRLKDPNIIIRLLGVCVQDDPLCMITDYMENGDLN 716  
DB 61 LRPDATKNA-----ANDFLKVEYKINSRLKDPNIIIRLLGVCVQDDPLCMITDYMENGDLN 114  
QY 717 OFLSAHLDDKAEGAPEGGOAAGPTISYPMILHVAQAIAASMRILATLNFHRLAR 776  
DB 115 OFLSAHLDDKAEGAPEGGOAAGPTISYPMILHVAQAIAASMRILATLNFHRLAR 174  
QY 777 NCLVGENFTIKIADFGNSRNLVAGDYRYVGRVLPFRNMAWECIMGKFTTASDVWAFG 836  
DB 175 NCLVGENFTIKIADFGNSRNLVAGDYRYVGRVLPFRNMAWECIMGKFTTASDVWAFG 234  
QY 837 VILMEVLMCRAPQEPQLTDEQYVENAGFEFFRDGROVYLSRPPACOGILYELMLRCWSR 896  
DB 235 VILMEVLMCRAPQEPQLTDEQYVENAGFEFFRDGROVYLSRPPACOGILYELMLRCWSR 294  
QY 897 ESEORPPEFSQLHRTAEDALNTV 919  
DB 295 ESEORPPEFSQLHRTAEDALNTV 317

## RESULT 14

US-08-162-402B-20  
Sequence 20, Application US/08162402B  
Patent No. 5972337

GENERAL INFORMATION:  
APPLICANT: CERIANI, ROBERTO L.  
APPLICANT: PETERSON, JERRY A.  
APPLICANT: LAROCCA, DAVID J.  
TITLE OF INVENTION: 46 KDALTON HUMAN MILK FAT  
TITLE OF INVENTION: GLOBULE (HMF) ANTIGEN, FRAGMENTS & FUSION PROTEIN  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pretty Schroeder & Poplawski  
STREET: 444 South Flower St., 19th Floor  
CITY: Los Angeles  
STATE: CA  
COUNTRY: USA  
ZIP: 90071  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/162,402B  
FILING DATE: 03-DEC-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Amzel, Yviana  
REGISTRATION NUMBER: 30,930  
REFERENCE/DOCKET NUMBER: P66 38215  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 213-622-7700  
TELEFAX: 213-489-4210  
TELEX:  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 156 amino acids  
TYPE: amino acid  
STRANDEDNESS: unknown  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-162-402B-20

Query Match 17.0%; Score 838; DB 2; Length 156;  
Best Local Similarity 100.0%; Pred. No. 7,3e-53;  
Matches 156; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 30 KCRVALGMDRTIPDSISASSWSNSTAARHSRLSSSDGDCGAMCPAGSVFPEEYLYQV 89

Db 1 KCRYALGMODRTIPDSDISASSSSWSDTAHSHRLSSDDGACPGASVFPKEEYLQV 60  
QY 90 DLQRLHLVALVGTQGRHAGGLGKEFSRYPLARYSRDGRMMGMNDRGQEVISGNEDEP 149  
Db 61 DLQRLHLVALVGTQGRHAGGLGKEFSRYPLARYSRDGRMMGMNDRGQEVISGNEDEP 120  
QY 150 VYLKDLGPPMVAARLVRFYPPADRVMSVCLRVLEYGC 185  
Db 121 VYLKDLGPPMVAARLVRFYPPADRVMSVCLRVLEYGC 156

RESULT 15  
US-08-339-578-2  
Sequence 2, Application US/08339578  
Patent No. 5622862  
GENERAL INFORMATION:  
APPLICANT: Squinto, et al.  
TITLE OF INVENTION: ASSAY SYSTEMS FOR NEUTROPHIL ACTIVITY  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Regeneron Pharmaceuticals, Inc.  
STREET: 777 Old Saw Mill River Road  
CITY: Tarrytown  
STATE: New York  
COUNTRY: U.S.A.  
ZIP: 10591-6707

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/339,578  
FILING DATE: 14-NOV-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 07/690,199  
FILING DATE: 23-APR-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Kempler, Gail M.  
REGISTRATION NUMBER: 32,143  
REFERENCE/DOCKET NUMBER: 6526-061A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (914) 345-7400  
TELEFAX: (914) 345-7721  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 821 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-339-578-2

Query Match 13.2%; Score 648.5; DB 1; Length 821;  
Best Local Similarity 46.5%; Pred. No. 26-38;

Matches 144; Conservative 45; Mismatches 79; Indels 42; Gaps 10;

QY 607 RSRLEFKKELGEGGEVHLC---VDSQDVLSDFLPLNVKKGHLVAVKILRPDAK 663  
Db 534 RHNIVLKKELGEGGAGKVFLLACVNLCPED-----KILVAVTKL-DASD 578  
QY 664 NASFLFSRNDLEKVKIMSLKDPNITRLGVCVODDPLCAITDMENGDLNOFLSAHQ 723  
Db 579 NA-----RKDPHREALLTNQHEHYKFGVCGVGDPLINVFEMKGGDLNKPFLRAHG 632  
QY 724 LED-KAAGAGPGDGAAGPPT-ISTPMLIHVAQAQASGRYLATLNFVHRLATRNCLVG 781  
Db 633 PDAVLAAGNP-----PTELQSOMLHIAQIAAGVYLAQSHFVRDLATRNCLVG 684  
QY 782 ENFTIKIADFGSRMLYAGDYRVQGRVLPTRMAAMECILAGKFTTASDVNAFGVTLME 841  
Db 685 ENLVLKIDGFGKSRVDYISTDYIRVGHTMLPIRMPPESIMYRKFTTESDVMSGLVIME 744

QY 842 VLMLCRAQPPGQLTDEQVLENAGEFFRDQGRVYLSRPPACPGGLVFLMRCMSRSEQR 901  
Db 745 IFYTGK-QPWTQLSNNEVIECI-----TQGR--VLQRPRTCPQEVYELMLGCMQREPHTR 796  
QY 902 PPSQLHREFL 911  
Db 797 KNKSIHTLL 806

Search completed: May 29, 2003, 11:22:24  
Job time : 21 secs